

INFORMATION SYSTEMS

DOCTOR OF PHILOSOPHY (PH.D.)

NSU Florida

At a Glance

- Use the M.S. pathway to earn a Ph.D. degree with a minimum of 51 credits.
Use the B.S. pathway to earn a Ph.D. degree with a minimum of 66 credits.
- Program offers a flexible and unique format for working professionals.

Program Formats

- Unique format includes a blend of on-campus and online activities.

Program Highlights

- The CCE is recognized as a National Center of Academic Excellence in Cybersecurity (NCAE-C), Cyber Defense (CD), and Cyber Research (R) by the National Security Agency (NSA) and its affiliated federal agencies.
- Receive quality instruction from CCE faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.
- Work on course assignments and research and participate in online activities between on-campus sessions.

Future Opportunities

Explore careers, such as

- college/university faculty member
- information systems manager
- information systems security engineer
- research information specialist

Learn More
computing.nova.edu

Find Your Edge in Information Systems

NSU's Ph.D. in Information Systems program is well suited for the working professional. Gain the knowledge and the ability to develop creative solutions to substantive, real-world problems in information systems.

NSU's uniquely structured program combines traditional and online instruction to give you the opportunity to pursue graduate studies while continuing to work in your current position.

NSU's Ph.D. in Information Systems is designed for students with a bachelor's or master's degree in information systems or a closely related field. The M.S. to Ph.D. and B.S. to Ph.D. pathways emphasize core information systems knowledge in information system planning, information security, systems analysis and design, project management, information system administration, information science, and software engineering.

Get the NSU edge.

Admissions Requirements

- online application (apply.nova.edu)
- \$50 application fee (nonrefundable)
- an earned bachelor's or master's degree with a GPA of at least 3.2 from a regionally accredited institution and with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé/curriculum vitae (CV)
- essay
- three letters of recommendation



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DOCTOR OF PHILOSOPHY (PH.D.)

Curriculum | Minimum Credits: 51 Credits (M.S. to Ph.D.) | 66 Credits (B.S. to Ph.D.)

The Ph.D. in Information Systems program has two curriculum pathways.

M.S. TO PH.D. CURRICULUM

Core Courses

Each student must complete 5 core courses (3 credits each, total 15 credits).

RESD 700 Research Methods

Select one from the courses below that has not been completed in the last five years.

ISEC 615 Fundamentals of Cybersecurity
ISEC 635 Information Systems Operations Management
ISEC 655 Information Security Governance
ISEC 675 Information System Auditing

Select one from the courses below that has not been completed in the last five years.

MSIT 630 Database Systems
MMIS 671 Data Analytics
MMIS 642 Data Warehousing
MMIS 643 Data Mining

Select one from the courses below that has not been completed in the last five years.

MMIS 680 Human Computer Interaction
MMIS 636 Computer-Supported Cooperative Work
MMIS 644 UX Strategy for Social Media
CISC 685 Interaction Design

Select one elective from the courses below that is not counted as part of the core or that has not been completed in the last five years.

ISEC 615 Fundamentals of Cybersecurity
MMIS 621 Information Systems Project Management
MMIS 623 Ethics in Computing
MSIT 630 Database Systems
ISEC 635 Information Systems Operations Management
MMIS 636 Computer-Supported Cooperative Work
MMIS 642 Data Warehousing
MMIS 643 Data Mining
MMIS 644 UX Strategy for Social Media
MMIS 653 Telecommunication and Computer Networking
ISEC 655 Information Security Governance
MMIS 671 Data Analytics
ISEC 675 Information System Auditing
MMIS 680 Human Computer Interaction
CISC 685 Interaction Design
MMIS 692 Data Analytics Project
MMIS 690 Special Topics in Information Systems
ISEC 695 Information Security Project

B.S. TO PH.D. CURRICULUM

Required Core Courses

Each student must complete 8 core courses (3 credits each, total 24 credits).

ISEC 615 Fundamentals of Cybersecurity
MMIS 621 Information Systems Project Management
MMIS 623 Ethics in Computing
MSIT 630 Database Systems
MMIS 653 Telecommunication and Computer Networking
MMIS 671 Data Analytics
MMIS 680 Human Computer Interaction
RESD 700 Research Methods

Each student must complete 2 electives (3 credits each, total 6 credits).

ISEC 635 Information Systems Operations Management
MMIS 636 Computer-Supported Cooperative Work
MMIS 642 Data Warehousing
MMIS 643 Data Mining
MMIS 644 UX Strategy for Social Media
ISEC 655 Information Security Governance
ISEC 675 Information System Auditing
CISC 685 Interaction Design
MMIS 692 Data Analytics Project
MMIS 690 Special Topics in Information Systems
ISEC 695 Information Security Project

RESEARCH REGISTRATIONS

In both pathways, each student will be required to complete at least 3 doctoral research courses of DISS 885 (4 credits each, total 12 credits).

These courses will be taken at the end of the student's coursework. These directed-study courses will enable the student, with the support of a faculty adviser, to identify a viable research topic and conduct preliminary research that will lead to formal candidacy for the student.

DISS 885 Doctoral Research (4 credits each)

DISSERTATION REGISTRATIONS

Students must complete 24 credits of dissertation registrations (three registrations of DISS 901). Students who do not complete the dissertation within 24 credits will register for DISS 920 Continuing Dissertation until the dissertation is complete.

DISS 901 Doctoral Dissertation (8 credits each)
DISS 920 Continuing Dissertation (4 credits each)

Curriculum is for the 2024–2025 academic year. This publication should not be viewed as a substitution for official program requirements and outcomes. A student is responsible for meeting the curriculum and program requirements in the student catalog that are in effect when the student enters the program.

Nova Southeastern University admits students of any race, color, sexual orientation, gender, gender identity, military service, veteran status, and national or ethnic origin. ■ Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate's, baccalaureate, master's, educational specialist, doctoral, and professional degrees. Nova Southeastern University also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Nova Southeastern University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org). 24-02-006MCP

Admissions

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College of Computing
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